



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/779,556	02/09/2001	Seog Yeon Han	2950-185P	6169
2292	7590	10/21/2004	EXAMINER	
BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747			HAMILTON, MONPLAISIR G	
			ART UNIT	PAPER NUMBER
			2135	

DATE MAILED: 10/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

9/3

Office Action Summary	Application No.	Applicant(s)	
	09/779,556	HAN ET AL.	
	Examiner	Art Unit	
	Monplaisir G Hamilton	2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 13 July 2004.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-20 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-20 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 5/17/04 has been entered.

Claims 1-20 remain for examination.

Response to Arguments

2. Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-11 and 13-20 are rejected under 35 U.S.C. 102(b) as being anticipated by US 5,806,072 (published 9/8/1998) issued to Kuba, Hirokazu et al, herein referred to as Kuba.

Referring to Claim 1:

Kuba discloses a file managing method in reproducing a rewritable disk, comprising the steps of:

- (a) checking the file names, directories, or names and directories of files written in the rewritable disk (col 27, lines 5-15);
- (b) providing a message indicating that reproduction is impossible when the file names, directories, or names and directories are against a standard file scheme pre-specified for a disk containing real-time data (col 27, lines 5-25); and
- (c) conducting a correction operation, if demanded (col 27, lines 40-45; col 28, lines 1-10).

Art Unit: 2135

Referring to Claim 2:

Kuba discloses the limitations of Claim 1 above. Kuba further discloses, wherein the reason why the reproduction is impossible is contained in said message (col 28, lines 35-50).

Referring to Claim 3:

Kuba discloses the limitations of Claim 1 above. Kuba further discloses, steps (a) and (b) are conducted when the reproduction is requested (col 28, lines 35-50).

Referring to Claim 4:

Kuba discloses a file managing method in recording a data stream in a rewritable disk, comprising the steps of:

- (a) checking a file name, directory, or name and directory of the file requested to be recorded in the rewritable disk (col 51, lines 5-30);
- (b) providing a message indicating that reproduction would fail later if recorded as requested when the file name, directory, or name and directory is against a standard file scheme pre-specified for a disk containing real-time data file (col 51, lines 15-30); and
- (c) conducting a correction operation, if demanded (col 51, lines 20-30).

Referring to Claim 5:

Kuba discloses the limitations of Claim 4 above. Kuba further discloses, the step of recording received data as requested if the request of record is received again after the message being provided (col 51, lines 20-30).

Referring to Claim 6:

Kuba discloses the limitations of Claim 4 above. Kuba further discloses, the step of deleting information received when the file record is requested if the request of record is cancelled after the message being provided (col 26, lines 20-30).

Referring to Claim 7:

Kuba discloses the limitations of Claim 4 above. Kuba further discloses, wherein the reason why the later reproduction would fail is contained in said message (col 51, lines 20-35).

Referring to Claims 8 and 13:

Kuba discloses a method conducted in a computer for-managing files written in a rewritable disk, comprising the steps of:

- (a) checking the file type if the file is requested to be renamed or moved (col 27, lines 5-20); and
- (b) providing a message indicating that disk reproduction would be impossible after the file is renamed or moved, if the file type is one among pre-specified file types (col 27, lines 10-20); and
- (c) conducting a correction operation, if demanded (col 28, lines 20-50).

Referring to Claims 9 and 14:

Kuba discloses the limitations of Claims 8 and 13 above. Kuba further discloses, wherein the correction operation comprises the step of renaming or moving the file as requested, if the

Art Unit: 2135

requested file operation is demanded again after the message being provided (col 51, lines 20-30; col 24, lines 45-60).

Referring to Claim 10:

Kuba discloses the limitations of Claim 8 above. Kuba further discloses the pre-specified file type is indicative of a file containing real-time data (col 31, lines 60-65; col 49, lines 30-50).

Referring to Claim 11:

Kuba discloses the limitations of Claim 8 above. Kuba further discloses the pre-specified file types are designated by means of file names defined in a file system standardized for a rewritable disk containing real-time data stream (col 27, lines 20-40).

Referring to Claim 15:

Kuba discloses a file managing method in recording data stream in a rewritable disk, comprising the steps of: (a) checking whether or not a file structure formed in the rewritable disk conforms to a standard file system pre-specified for a disk containing real-time data stream (col 27, lines 5-30); (b) correcting the file structure of the rewritable disk if the file structure is against the standard file system (col 27, lines 10-20) and (c) writing input data stream in a data file belonging to the corrected file structure (col 27, lines 10-15).

Art Unit: 2135

Referring to Claim 16:

Kuba discloses the limitations of Claim 15 above. Kuba further discloses, wherein said step (a) determines that the file structure is against the standard file system if a directory pre defined in the standard file system is not found (col 27, lines 5-20; col 28, lines 1-30).

Referring to Claim 17:

Kuba discloses the limitations of Claim 15 above. Kuba further discloses wherein said step (a) determines that the file structure is against the standard file system if the file name of a data file containing real-time data stream is different from the file name pre-defined in the standard file system (col 27, lines 35-55; col 28, lines 30-50).

Referring to Claim 18:

Kuba disclose the limitations as discussed in Claim 15 above. Kuba further discloses the file structure is against the standard file system if the file recording information written in a navigation file does not accord with existing data stream files (col 28, lines 35-50).

Referring to Claim 19:

Kuba disclose the limitations as discussed in Claim 15 above. Kuba further discloses copying the file structure before correction, and makes the copied file structure be distinguishable from the corrected file structure (col 24, lines 45-65; col 31, lines 15-30).

Referring to Claim 20:

Kuba discloses the limitations as discussed in Claim 15 above. Kuba further discloses a message asking whether or not the requested recording operation is proceed if the file structure is against the standard file scheme, and corrects the file structure of the rewritable disk if the requested recording operation is demanded again (col 27, lines 10-30; col 28, lines 15-40).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over US 5,806,072 (published 9/8/1998) issued to Kuba, Hirokazu et al, herein referred to as Kuba in view of Applicants' admitted prior art, Fig. 9B, herein referred to admitted prior art.

Referring to Claim 12:

Kuba disclose the limitations as discussed in claim 8 above.

Kuba does not explicitly disclose “step (a) refers to a 1-byte type field written in a table of information control block (ICB) tag contained in a file entry addressed by an ICB field of a file identifier descriptor”

Applicant admitted prior art discloses a 1-byte type field written in a table of information control block (ICB) tag contained in a file entry addressed by an ICB field of a file identifier descriptor.

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to modify Kuba with a 1-byte descriptor that defines the file as a datalink type file. One of ordinary skill in the art would have been motivated to do this because it would allow the system to quickly use the prefix table to determine the file type.

Prior Art

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 5515532 issued to Iijima, Yasuo. Iijima discloses a file management system for an IC card, which divides a data memory into a plurality of files, and performs data management of the divided files, a directory for managing the files is divided into field length fields, file definition information is stored in each of the divided fields, and information for specifying the file definition information is assigned to each of the divided fields.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Monplaisir G Hamilton whose telephone number is (703) 305-5116. The examiner can normally be reached on Monday - Friday (8:00 am - 4:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Y Vu can be reached on (703) 305-4393. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Monplaisir Hamilton

Note: TC 2100 will be moved to Carlyle in October, 2004, the new telephone number for TC 2100 receptionist is 571-272-2100, my new telephone number is (571) 272-3852 and my supervisor's new number is (571) 272-3859.

*M. S. G.
AU 2135*